

ABSTRACT OF THE DISCLOSURE

A vehicle steering control system is provided which is capable of reliably protecting a motor for driving a wheel steering shaft. The offset output characteristic of a current sensor for detecting the electric current applied to the steering shaft drive motor is actually measured prior to the actual use of the steering control system, and offset compensation information is prepared based on the measured value of the offset output characteristic for storage in an EEPROM. Further, an output value of the current sensor and an output value of a reference current measuring system are measured independently of each other with the supply voltage for use in measurement being set to a constant value. Then, current gain compensation information is prepared based on the output values so measured and is stored in the EEPROM. In the later actual use (i.e., after shipment) of the control system, the output of the current sensor is compensated based on the offset compensation information and the current gain compensation information.